

(B) wherein the alloy comprises a microstructure that is essentially free of L12 – structured phase at a temperature greater than about 1000°C.

Paragraph beginning on page 2, line 15

(B) The present invention provides several embodiments that address this need. One embodiment is an alloy comprising

palladium, in an amount ranging from about 1 atomic percent to about 41 atomic percent; platinum, in an amount that is dependent upon the amount of palladium, such that

- a. for the amount of palladium ranging from about 1 atomic percent to about 14 atomic percent, the platinum is present up to about an amount defined by the formula $(40 + X)$ atomic percent, wherein X is the amount in atomic percent of the palladium, and
- b. for the amount of palladium ranging from about 15 atomic percent up to about 41 atomic percent, the platinum is present in an amount up to about 54 atomic percent; and

the balance comprising rhodium, wherein the rhodium is present in an amount of at least 24 atomic percent;

wherein the alloy comprises a microstructure that is essentially free of L12 – structured phase at a temperature greater than about 1000°C.

Paragraph beginning on page 2, line 19

(B) A second embodiment is an alloy comprising from about 5 atomic percent to about 40 atomic percent platinum and the balance comprising rhodium, wherein the alloy further comprises a microstructure that is essentially free of L12 – structured phase at a temperature greater than about 1000°C.

Paragraph beginning on page 2, line 23

(B) A third embodiment is a gas turbine engine component comprising an alloy, the alloy comprising:

palladium, in an amount ranging from about 1 atomic percent to about 41 atomic percent; platinum, in an amount that is dependent upon said amount of palladium, such that

- a. for said amount of palladium ranging from about 1 atomic percent to about 14 atomic percent, said platinum is present up to about an amount defined by the formula $(40 + X)$ atomic percent, wherein X is the amount in atomic percent of said palladium, and
- b. for said amount of palladium ranging from about 15 atomic percent up to about 41 atomic percent, said platinum is present in an amount up to about 54 atomic percent;